



## Installation Instructions For 45-1896 GL1800 2012 Trailer Wire Harness

**NOTE:** Read all installation instructions prior to starting.

**NOTE:** Always disconnect battery negative cable prior to starting work on the motorcycle.

1. Place bike on center stand.
2. Remove the following parts from the motorcycle in accordance with the repair manual:
  - a. Seat
  - b. Rear Fender
  - c. Inner trunk liner
  - d. Left side cover (Battery cover)
  - e. Passenger backrest pad
  - f. Taillight assembly
3. Located under trunk lid liner you will find one blue and one white two pin connectors. Plug the two pin connector on the trailer wiring harness with blue wire into the white two pin connector on motorcycle. Plug the trailer wiring harness two pin connector with green wire into the motorcycle blue two pin connector. **(Figure 1)**
4. Route the trailer wiring harness behind passenger backrest pad and along motorcycle wire harness on right side of motorcycle ending under seat behind main breaker box. **(Figure 2)**

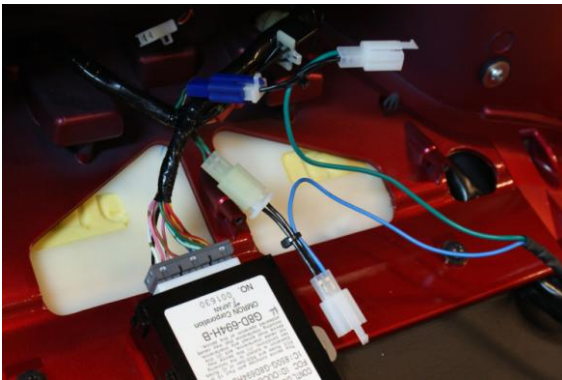


Figure 1



Figure 2

5. Located under seat behind main Breaker box you will find a clear weather boot containing a three pin connector with a black plug-in module. Unplug black module and plug in trailer wiring harness three pin connector. Plug black module into trailer wiring harness three pin connector. **(Figure 3 and 4)**

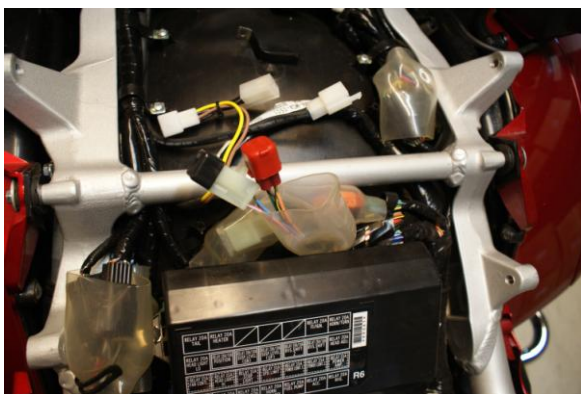


Figure 3

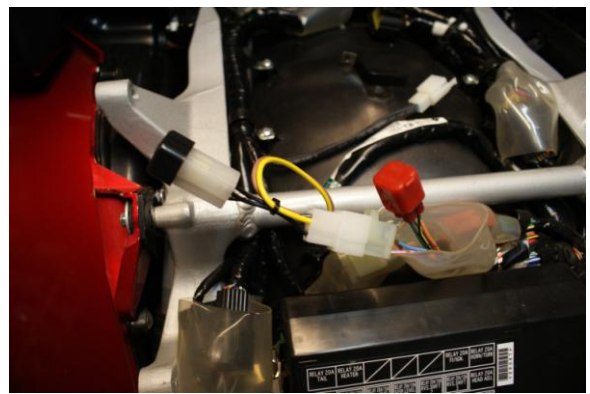


Figure 4

## Installation Instructions For Part 45-1896 1800 2012 Trailer Wire Harness (continued)

6. Connect the relay section of the trailer wiring harness to the trunk section of the trailer wiring harness using the four pin connector. **(Figure 5)**
7. Route the five trailer plug wires between the saddlebag frame and the top of the left saddlebag to the rear of the motorcycle. **(Figure 6)**

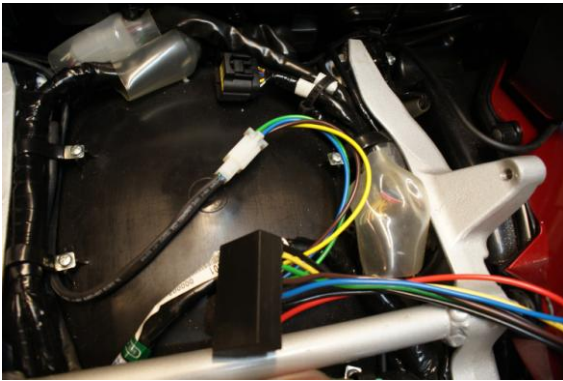


Figure 5

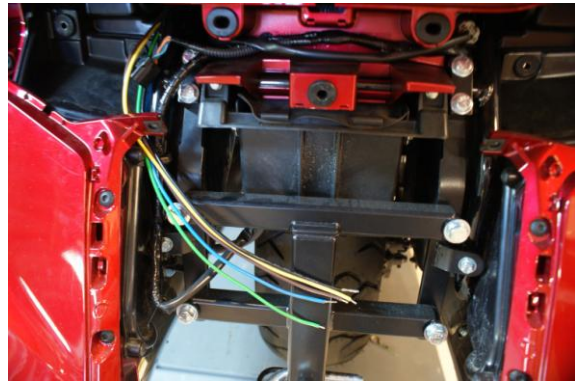


Figure 6

**NOTE:** Ensure all trailer wire harness wires are secured and away from moving parts, using wire ties provided.

**NOTE:** If a four wire trailer is to be used you will need Add On Part 45-1848, 5 to 4 wire converter.

8. Connect battery red wire to battery positive terminal with fuse holder provided.
9. Connect battery black wire to battery negative terminal.
10. Plug fuse into fuse holder.
11. Connect battery negative cable.
12. Test system for proper operation.
13. Install all parts removed from motorcycle in accordance with the repair manual.

### **Battery Wires:**

Red - Battery (Positive)  
Black - Ground (Negative)

### **Trailer Wires:**

Green - Running  
Brown - Left Turn Signal  
Yellow - Right Turn Signal  
Blue - Brake  
Black - Ground

